Ministry of
Northern Development
and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

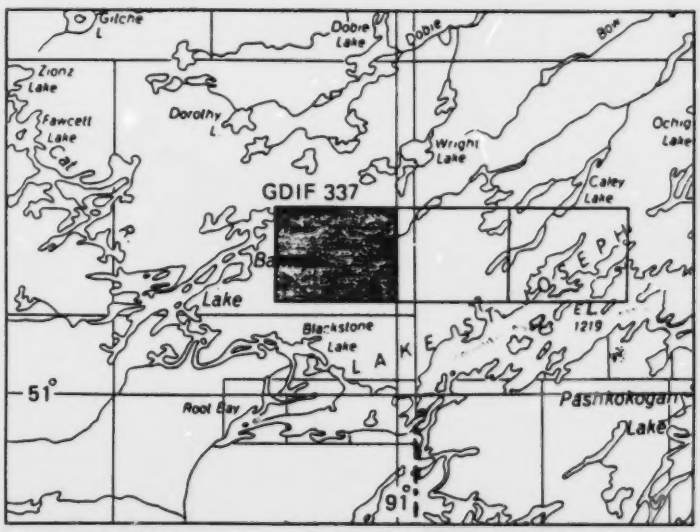
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 337

DRUM LAKE AREA

DISTRICT OF KENORA
(PATRICIA PORTION)

Compiled by the Staff of
the Resident Geologist's Office
Sioux Lookout



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 520/03NE

Mining Claim Map Number G-2012

87-03535/

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1986: Drum Lake Area, District of Kenora, Patricia Portion; Ontario Geological Survey, Geological Data Inventory Folio 337, compiled by the staff of the Resident Geologist's Office, Sioux Lookout, 24p. and 3 maps.

Original Compilation by: Cathy Proctor, Mary Sawtelle

Date	Page Revised	Revised by

Date	Page Revised	Revised by

TABLE OF CONTENTS

Data Sources Checklist 1
Metals and Minerals Reference List 2
Mineral Occurrences 3
Type of Work 4
Drill Hole Summary 11
Airborne Geophysical Survey Data 16
Geochemical Survey Data 17
Miscellaneous Data 18
Newspaper Clipping File 19
ODM General Index Search 20
Selected References 22
Notes and Addenda 24

ACCOMPANYING MAPS

Property Location Map 2
Exploration Data Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	CJP
2	Assessment Files Research Office, Toronto	N/A	CJP
3	ODM General Index; 9 volumes	Yes	CJP
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	CJP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	CJP
6	ODM Industrial Mineral Reports	No	CJP
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	CJP
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	No	CJP
9	Newspaper Clippings File	Yes	CJP
10	GSC Index to Publications	Yes	CJP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	CJP
12	OGS Index Maps	Yes	CJP
13	Source Mineral Deposit Records (O.G.S.)	Yes	CJP
14	Author - Subject Articles File	No	CJP
15	Miscellaneous Papers: ODM & OGS	Yes	CJP
16	ODM Geological Circulars: OGS Study Series	No	CJP
17	ODM Preliminary Reports: ODM Bulletins	Yes	CJP
18	ODM – OGS Open File Reports	Yes	CJP
19	OGS Northern Ontario Engineering Geology Terrain Studies	No	CJP
20	OGS Aggregate Resources Inventory Papers	No	CJP
21	OGS Mineral Potential Maps	Yes	CJP
22	Aerial Photogrpahs	No	CJP
23	Unpublished Theses	No	CJP

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . Anhydrite
- △ ank. . . . . Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . Apatite
- △ arg . . . . . Argentite
- △ As . . . . . Arsenic
- △ asp . . . . . Arsenopyrite
- △ asb . . . . . Asbestos
- △ ba. . . . . Barite
- △ be. . . . . Beryl
- △ Bi. . . . . Bismuth
- △ bn . . . . . Bornite
- △ bran . . . . . Brannerite
- △ bruc . . . . . Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . Carbonate
- △ cel . . . . . Celestite
- △ cc. . . . . Chalcocite
- △ cp. . . . . Chalcopyrite
- △ ch. . . . . Chert
- △ clay . . . . . Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . Columbite
- ▲ Cu . . . . . Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . Feldspar
- △ fl . . . . . Fluorite (flurospar)
- △ fu. . . . . Fuchsite
- △ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe . . . . . Goethite
- ▲ Au . . . . . Gold
- △ gf. . . . . Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . Ilmenite
- △ Fe . . . . . Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- △ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- △ mag . . . . . Magnetite
- △ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- △ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . Niobium
- △ Pd . . . . . Palladium
- △ peat . . . . . Peat
- △ pent . . . . . Pentlandite
- △ Pt. . . . . Platinum
- △ py . . . . . Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . Pyrolusite
- △ po . . . . . Pyrrhotite
- △ q . . . . . Quartz
- △ qcv . . . . . Quartz carbonate vein
- △ ra. . . . . Radioactive minerals
- △ RE . . . . . Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . Sandstone
- △ scap . . . . . Scapolite
- △ shee . . . . . Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . Silver
- △ sl . . . . . Slate
- △ sm . . . . . Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- △ sp. . . . . Sphalerite
- △ spd . . . . . Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . Stone
- △ talc. . . . . Talc
- △ Te . . . . . Tellurium
- △ td. . . . . Tetrahedrite
- △ th. . . . . Thorite
- △ Th . . . . . Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- △ tour . . . . . Tourmaline
- △ trap . . . . . Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . Uranium
- △ verm . . . . . Vermiculite
- △ Y . . . . . Yttrium
- ▲ Zn . . . . . Zinc
- △ zr . . . . . Zircon

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	COCHENOUR WILLANS-SELCO	AU,AG	M.D.I. KP0105	--	AFRO 1970, Drum Lake Area, DHR 18
B	SELCO-DRUM LAKE	AG	KP0205	--	AU, Minor Occurrence AFRO 1970, Drum Lake Area, DHR 14
C	FIRTH NORTH	ZN,CU	KP0188	--	AU,AG,NI - Minor Occurrence AFRO 1970, Drum lake Area, DHR 10 AFRO 1970, #2.103

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	GRAVITY		
A	UMEX CORP L INCO L (520/09SE-0035)				73															
B	COCHENOUR WILLANS G (520/06SW-0012-B1)	71											71							
C	COCHENOUR WILLANS G (520/06SW-0013)											72	72							
D	COMINCO L (520/06SW-0015)											79	79					79		
E	COMINCO L (520/07SW-0014)								78											
F	COCHENOUR WILLANS G (520/06SE-0017)											71	71							
G *	UNION MINIERE EXPLS (520/07SW-0015)											73								
H	COCHENOUR WILLANS G (520/04NE-0014)	72											72							
	*Note: Property G covers the entire map area.																			

GDIF FORM NO. 2

DRUM LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
I	C C HUSTON & ASSOCS L FIRTH, N (520/03NE-0010-A1)				70	70														
J	C C HUSTON & ASSOCS L FIRTH, N (520/03NE-0010-C1)				70	70														
K	C C HUSTON & ASSOCS L FIRTH, N (520/03NE-0010-E1)				70	70														
L	C C HUSTON & ASSOCS L FIRTH, N (520/03NE-0011-A1)				70	70														
M	SELCO EXPL C L COCHENOUR WILLANS G (520/03NE-0011-D1)				70	70														
N	SELCO EXPL C L COCHENOUR WILLANS G (520/03NE-0012-A1)				70	70														

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
O	SELCO EXPL C L COCHENOUR WILLANS G (520/03NE-0012-B1)				70															
P	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0012-C1)				70															
Q	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0012-D1)				70															
R	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0012-E1)				70															
S	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0013-A1)				70															
T	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0013-B1)				70															
U	COCHENOUR WILLANS G (520/03NE-0013-C1)				70															

DRUM LAKE AREA

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
V	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0013-D1)				71															
W	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0013-E1)				70															
X	COCHENOUR WILLANS G (520/03NE-0014-A1)				71															
Y	COCHENOUR WILLANS G (520/03NE-0014-B1)				71															
Z	COCHENOUR WILLANS G (520/03NE-0014-D1)				71															
AA	COCHENOUR WILLANS G (520/03NE-0015-A1)				70															
AB	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0015-B1)				71															
AC	COCHENOUR WILLANS G COIN LAKE GOLD MS L SELCO MINING CORP L (520/03NE-0015-D1)				72															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
AD	UMEX CORP L (520/03NE-0016-A1)				74															
AE	COMINCO L (520/03NE-0016-B1)				81															
AF	COCHENOUR WILLANS G (520/03NE-0016-D1)				70															
AG	COCHENOUR WILLANS G SELCO EXPL C L (520/03NE-0016-E1)				70															
AH	COCHENOUR WILLANS G SELCO EXPL C L COIN LAKE GOLD MS L (520/03NE-0017-A1)				74															
AI	COMINCO L (520/03NE-0017-C1)	79																		
AJ	UMEX CORP L (520/03NE-0018-A1)											71								
AK	SELCO EXPL C L (520/03NE-0018-B1)												70							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
AL	COCHENOUR WILLANS G (520/03NE-0019-A1)												70							
AM	COCHENOUR WILLANS G (520/03NE-0019-B1)												70							
AN	COCHENOUR WILLANS G (520/03NE-0020-A1)												70							
AO	COCHENOUR WILLANS G (520/03NE-0020-B1)												70							
AP	GOETTLER, G. W. C C HUSTON & ASSOCS L (520/03NE-0021)											70	70							
AQ	FIRTH, N C C HUSTON & ASSOCS L (520/03NE-0022)											70	70							
AR	COCHENOUR WILLANS G (520/03NE-0023)											70	70							
AS	COCHENOUR WILLANS G (520/03NE-0024)											70	70							

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SIOUX LOOKOUT COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
AT	SELCO EXPL C L (520/03NE-0025)	70	70									70	70							
AU	NORTHERN DYNASTY (520/02NW-0020)		86									86	86							

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	UMEX CORPORATION L INCO L	C-74	1973	--	--	--	356	--	--
2		C-75	1973	--	--	--	364	--	--
3	C.C. HUSTON & ASSOCS.	3	1970	0	-45	21.4	123	py,po,cp	Cu,Ni,Zn,Au Ag
4		6	1970	--	-90	32.6	86.7	py,po	Cu,Ni,Zn,Au Ag
5		1	1970	0	-45	5.3	80	po,py,cp	Cu,Ni,Zn,Au Ag
6		2	1970	--	-90	38.5	138.3	py,po	Cu,Ni,Zn,Au Ag
7		4	1970	0	-65	7.5	65.2	py,po	Cu,Ni,Zn,Au Ag
8		8-6	1970	180	-45	55.3	108	py,po,cp	--
9		8-1	1970	0	-45	8	95	py	--
10		8-2	1970	180	-45	7	126.1	py	--
11		8-3	1970	0	-45	5	98.5	py,po	--
12		8-4	1970	0	-45	7.3	116.5	py,po	--
13		8-5	1970	0	-45	15.4	116.2	py,po,mag	--
14	COCHENOUR WILLANS GOLD MINES L.	B-16-70-5	1970	180	-60	20	312	po,py,gt	--

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
15	COCHENOUR WILLANS GOLD MINE	B-16-70-4	1970	180	-45	20	253	po,py,cp	Au,Ag
16		B-16-70-3	1970	180	-45	15	177	po,py,cp,mag	Au,Ag
17		B-16-70-2	1970	180	-45	2	159	py,po,cp	--
18		B-16-70-1	1970	180	-45	36	205	py,po	--
19		13-70-4	1970	0	-60	5	125	py,po,cp	--
20		B-18-70-1	1970	0	-55	22	113	gt,cp	--
		B-18-70-2	1970	0	-75	21	135	gt,py	--
21		B-21-70-4	1970	90	-45	8	111	py,po,cp	Au,Ag
22		B-21-70-3	1970	90	-60	4	101	py,po,mag,gt,cp	Au,Ag
23		B-21-70-1	1970	90	-45	5	101	py,po,cp	Au,Ag
24		B-16-70-8	1970	180	-45	8	118	po,cp	--
25		B-16-70-7	1970	180	-45	30	154	po,py,cp	Au,Ag
26		B-16-70-6	1970	180	-45	8	156	gt	--
27		B-14-70-1	1970	0	-45	11	101	po	--
28		B-20-70-2	1970	270	-45	8	101	py,po,gt,cp	--
29		B-20-70-1	1970	N50W	-45	8	160	po,gt,py	--
30		71-3	1971	0	-55	46	207	py,cp	--

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
31	COCHENOUR WILLANS GOLD MINE L.	B-30-70-1	1970	0	-50	11	122	py,po,mag	--
32		B-30-70-2	1970	0	-45	13.5	101	py,po	--
33		B-30-70-3	1970	0	-55	8	135	py,po,cp	--
34		B-30-70-12	1971	0	-45	3	175	py,po,cp	--
35		B-15-71-1	1971	0	-45	2.4	182	py,po	--
		B-15-71-2	1971	0	-45	20	107.6	py,po	--
36		B-15-71-3	1971	0	-45	9	144	gt	--
37		B-14-71-2	1971	0	-45	9	185	py,po	--
38		B-30-70-5	1970	0	-55	16	101	py,po,cp	Au,Ag
39		B-30-70-8	1970	0	-45	15	134	po	--
40		B-13-71-4	1971	0	-45	--	26	hole abandoned	--
		B-13-71-4a	1971	0	-50	--	20	hole abandoned	--
		B-13-71-4b	1971	0	-60	20	101	py,cp	--
41		B-13-71-5	1971	0	-45	16	123	py,hem	--
42		B-13-71-6	1971	0	-45	14	109	po,sp	--
43		B-46-72-1	1972	180	-45	11	131	po,cp,sp,py	--
44		B-46-72-2	1972	180	-45	23	150	py,po,cp,sp, hem	--

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled Completed	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
45	UMEX CORP. L.	C188	1974	45	-55	38	220	py,po,mag	--
46		C189	1974	20	-45	9	210	py,po	--
47	COMINCO L.	ML-81-13	1981	200	-45	7.9m	99.4m	mag	--
48	COCHENOUR WILLANS GOLD MINE	B-16-70-9	1970	0	-45	12	101	py,po,gt,mag, cp	--
49		B-13-70-1	1970	180	-45	26	154	py,po	Au,Ag
50		B-13-70-2	1970	180	-45	20	130	--	--
51		B-13-70-3	1970	--	-45	6	164	gt	--
52		B-30-70-11	1970	0	-45	10	105	--	--
53		B-30-73-22	1973	0	-50	26	190	po	--
54	COCHENOUR WILLANS GOLD MINE	B-30-73-21	1973	0	-50	9	244	po,Au,py	--
		B-30-73-23	1973	0	-50	14	214	po	--

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
E	By: Questor Surveys For: COMINCO L	Magnetometer	400'	NE/SW	660'

GDIF FORM NO. 4

DRUM LAKE AREA

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
AT-1	SOIL	TOTAL HEAVY METALS	SELCO EXPLORATION C L	RESIDENT GEOLOGIST OFFICE FILE (520/03NE-0025)
-2	SOIL	TOTAL HEAVY METALS	SELCO EXPLORATION C L	RESIDENT GEOLOGIST OFFICE FILES (520/03NE-0025)
-3	SOIL	TOTAL HEAVY METALS	SELCO EXPLORATION C L	RESIDENT GEOLOGIST OFFICE FILE (520/03NE-0025)
-4	SOIL	TOTAL HEAVY METALS	SELCO EXPLORATION C L	RESIDENT GEOLOGIST OFFICE FILE (520/03NE-0025)
AU	SOIL-ROCK-LAKE SEDIMENT	MULTISPECTRAL ANALYSIS	NORTHERN DYNASTY	RESIDENT GEOLOGIST OFFICE FILE (520/02NW-0020)

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result
No	Data as of September 1986			

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

SIOUX LOOKOUT

SELCO EXPLORATION COMPANY L p.80

NORTHERN DYNASTY p.107,109-111,113,115

DRUM LAKE AREA

ODM GENERAL INDEX SEARCH

Words searched: DRUM LAKE, FRY LAKE, COCHENOUR WILLANS GOLD MINES

Index Volume	Listing:	Report Volume	Part	Page
III	Geology of the Cat River - Kawinogans Lake Area	XLIV	VI	53-73

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
SAGE, R.P. BREAKS, F.W.	1982	GEOLOGY OF THE CAT LAKE/PICKLE LAKE AREA, DISTRICTS OF KENORA AND THUNDER BAY, O.G.S. REPORT 207, 238p, ACCOMPANIED BY MAP 2218.	GR 207 Map 2218	1:253,440
SAGE, R.P. BREAKS, F.W.	1976	OPERATION PICKLE LAKE, DISTRICTS OF KENORA, PATRICIA PORTION AND THUNDER BAY, ONTARIO DIVISION OF MINES, O.F.R. 5180.	OFR 5180	
HARDING, W.D.	1934	THE CAT RIVER-KAWINOGANS LAKE AREA, PATRICIA KENORA DISTRICT. O.D.M. PRELIMINARY REPORT 1934-3.		
O.D.M.	1935	THE CAT RIVER-KAWINOGANS LAKE AREA, ANNUAL REPORT BY W D HARDING, ACCOMPANIED BY MAP 44f.	Map 44f	1"=2 miles
PALONEN, P.A. SPEED, A.A.	1977	DRUM LAKE AREA, DISTRICT OF KENORA (PATRICIA PORTION), ONTARIO GEOLOGICAL SURVEY PRELIMINARY MAP P.1504, SIOUX LOOKOUT DATA SERIES.	P.1504	1:15,840 1"=1/4 mile
AYRES, L.D. LUMBERS, S.B. MILNE, V.G. ROBESON, D.W.	1970	AIRBORNE GEOPHYSICAL SURVEYS, ONTARIO GEOLOGICAL MAP, WEST CENTRAL SHEET, MAP 2199.	Map 2199	1:1,013,760 1"=16 miles
SAGE, R.P. BREAKS, F.W. TROUP, W.R.	1973	OPERATION PICKLE LAKE, BAMAJI LAKE, LAKE ST. JOSEPH SHEET, DISTRICT OF KENORA, O.D.M. PRELIMINARY MAP P.808.	P.808	1"=2 miles
ROBERTSON, JAMES A. VOS, M.A. SPRINGER, JANET	1976	MINERAL POTENTIAL MAP OF ONTARIO 1976, WEST CENTRAL SHEET, O.D.M. PRELIMINARY MAP P.1098.	P.1098	1:1,013,760 1"=16 miles

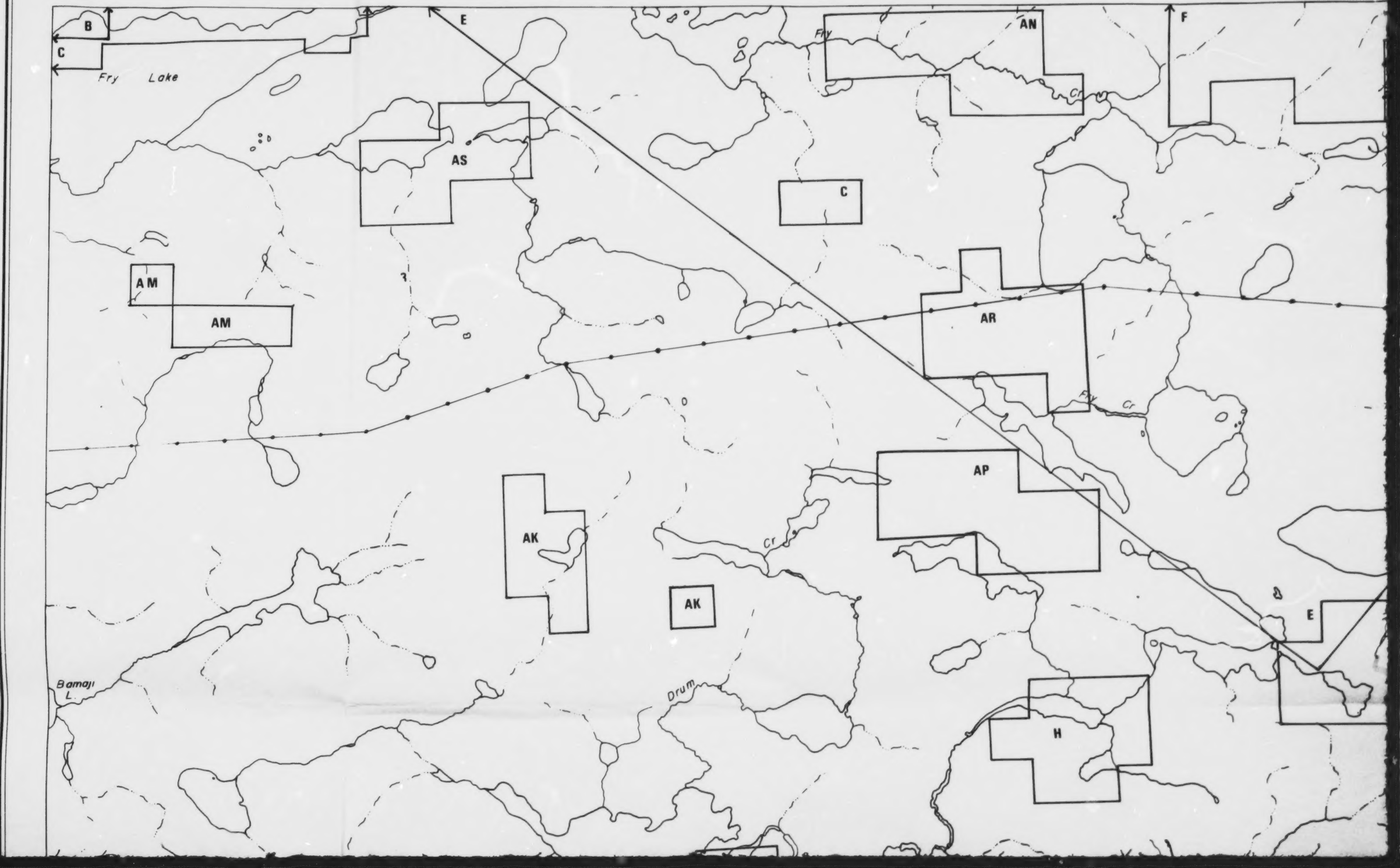
GDIF FORM NO.9

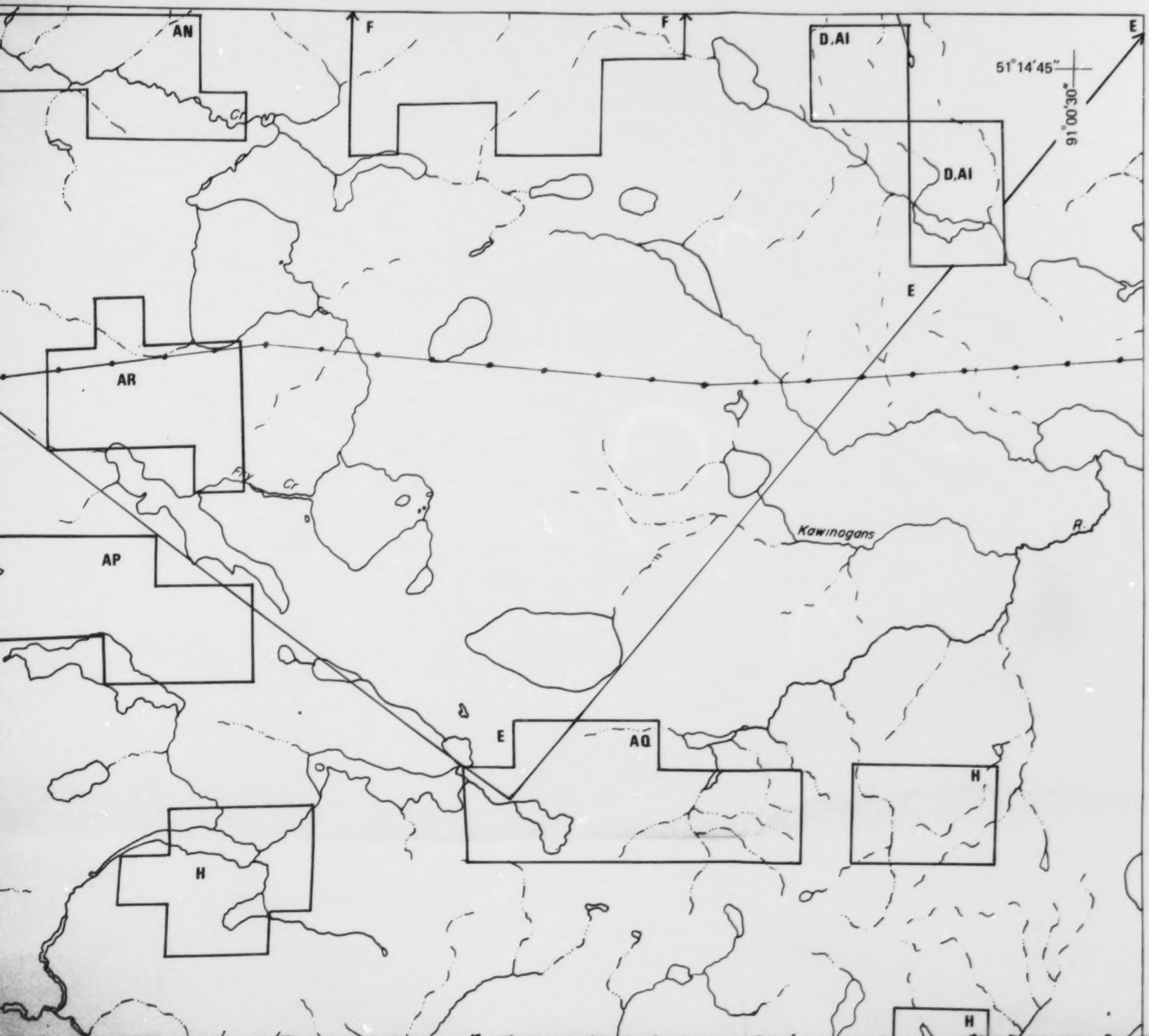
SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
SPRINGER, JANET	1978	ONTARIO MINERAL POTENTIAL MAP, LAKE ST. JOSEPH SHEET, DISTRICTS OF THUNDER BAY AND KENORA, O.G.S. PRELIMINARY MAP P.1542.	P.1542	1:250,000
STOTT, G.M. WALLACE, HENRY	1984	REGIONAL STRATIGRAPHY AND STRUCTURE OF THE CENTRAL UCHI SUBPROVINCE: MEEN LAKE - KASAGIMINNIS LAKE AND PASHKOKOGAN LAKE SECTIONS: p.7-13 in SUMMARY OF FIELD WORK, 1984 ONTARIO GEOLOGICAL SURVEY EDITED BY JOHN WOOD, OWEN L. WHITE, R. B. BARLOW AND A. C. COLVINE, O.G.S. MISCELLANEOUS PAPER 119, 309p.	MP.119	
JANES, D.A. HUGGINS, R.B.	1985	SIOUX LOOKOUT RESIDENT GEOLOGIST AREA, NORTHWESTERN ONTARIO; p.44-55 in REPORT OF ACTIVITIES 1984, REGIONAL AND RESIDENT GEOLOGISTS, EDITED BY C.R. KUSTRA, ONTARIO GEOLOGICAL SURVEY, MISCELLANEOUS PAPER 122, 297p.	MP.122	
G.S.C.	1963	GEOCHEMISTRY-COPPER IN BEDROCK, KENORA AND THUNDER BAY DISTRICTS.	Map 50-1963	1:253,440
G.S.C.	1963	AEROMAGNETIC SERIES-GEOPHYSICS PAPER 7010G, LAKE ST. JOSEPH SHEET 52/0.	Map 7010G	1:253,440
EMSLIE, R.F.	1960	GEOLOGY: LAKE ST. JOSEPH, ONTARIO.	Map 50-1960	1"=4 miles
STOTT, G.M. WILSON, A.C.	1986	PRECAMBRIAN GEOLOGY OF THE MUSKEGSAGAGEN-BANCROFT LAKES AREA, DISTRICT OF KENORA (PATRICIA PORTION): ONTARIO GEOLOGICAL SURVEY, MAP P.3049, GEOLOGICAL SERIES-PRELIMINARY MAP. SCALE 1:50,000. GEOLOGY 1984.	P.3049	1:50,000

NOTES AND ADDENDA

Aerial Photographs: No data as of September 1986


B
C
Fry Lake
E
AS
AM
AM
C
Fry
AN
Cr
F
AR
Fry Cr
AP
AK
AK
Cr
E
Bamaji L
Drum
H



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 337

(Map 1 of 3)

DRUM LAKE AREA

DISTRICT OF KENORA

(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined.

Bamaji L.

Drum

Drum Lake

AK

E

H

AT

AL

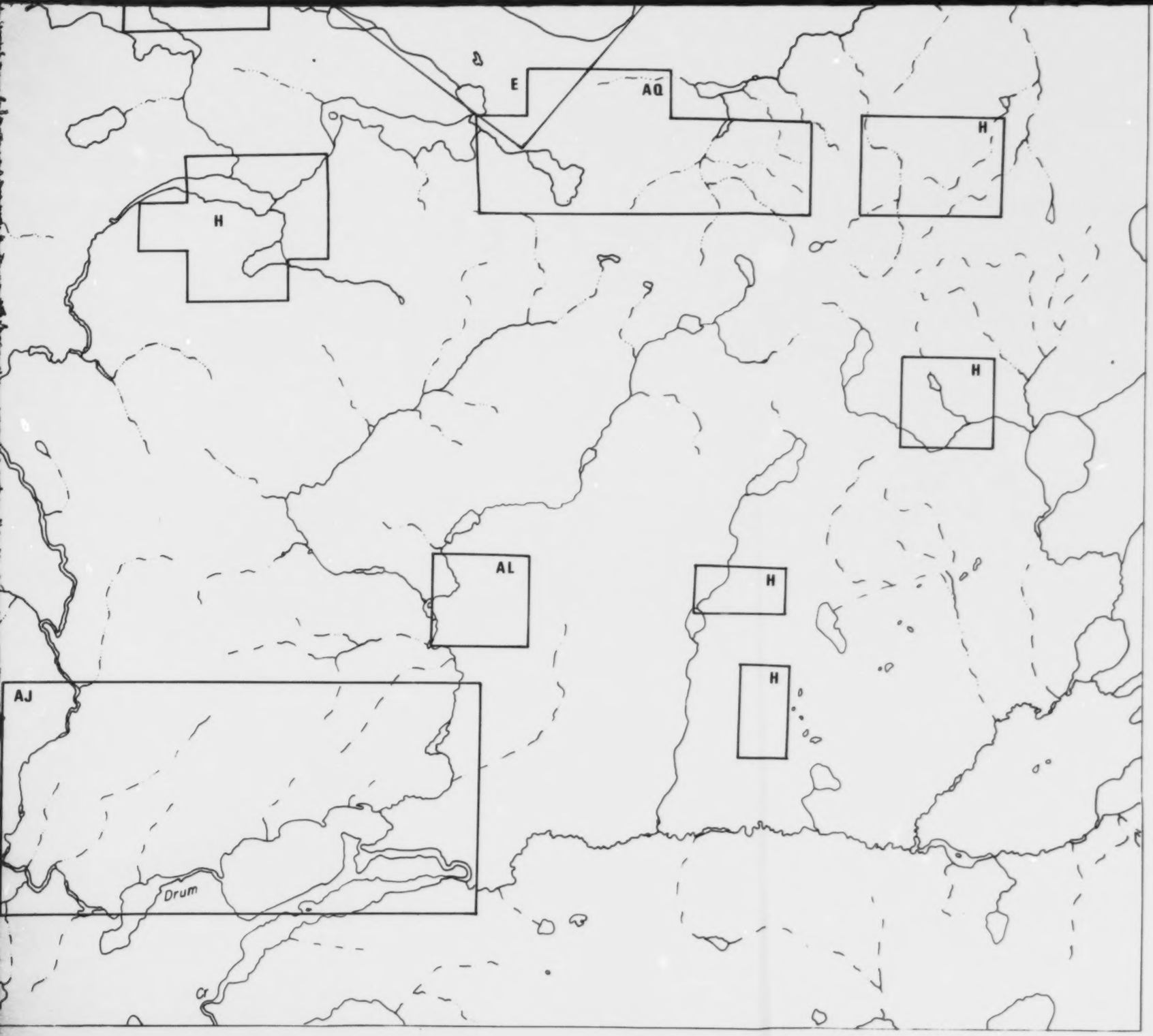
AJ

AO

Drum

91°14'00"

51°08'00"



EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

□ ★ G Area of explorations covers entire map area.

Fry Lake

Fry

Cr

Fry Cr

Drum

Drum

Bamaji L.

V

Z

S

AA

X

AH

AH

Y

AG

AG

AG

N

AB

AB

I

J

M

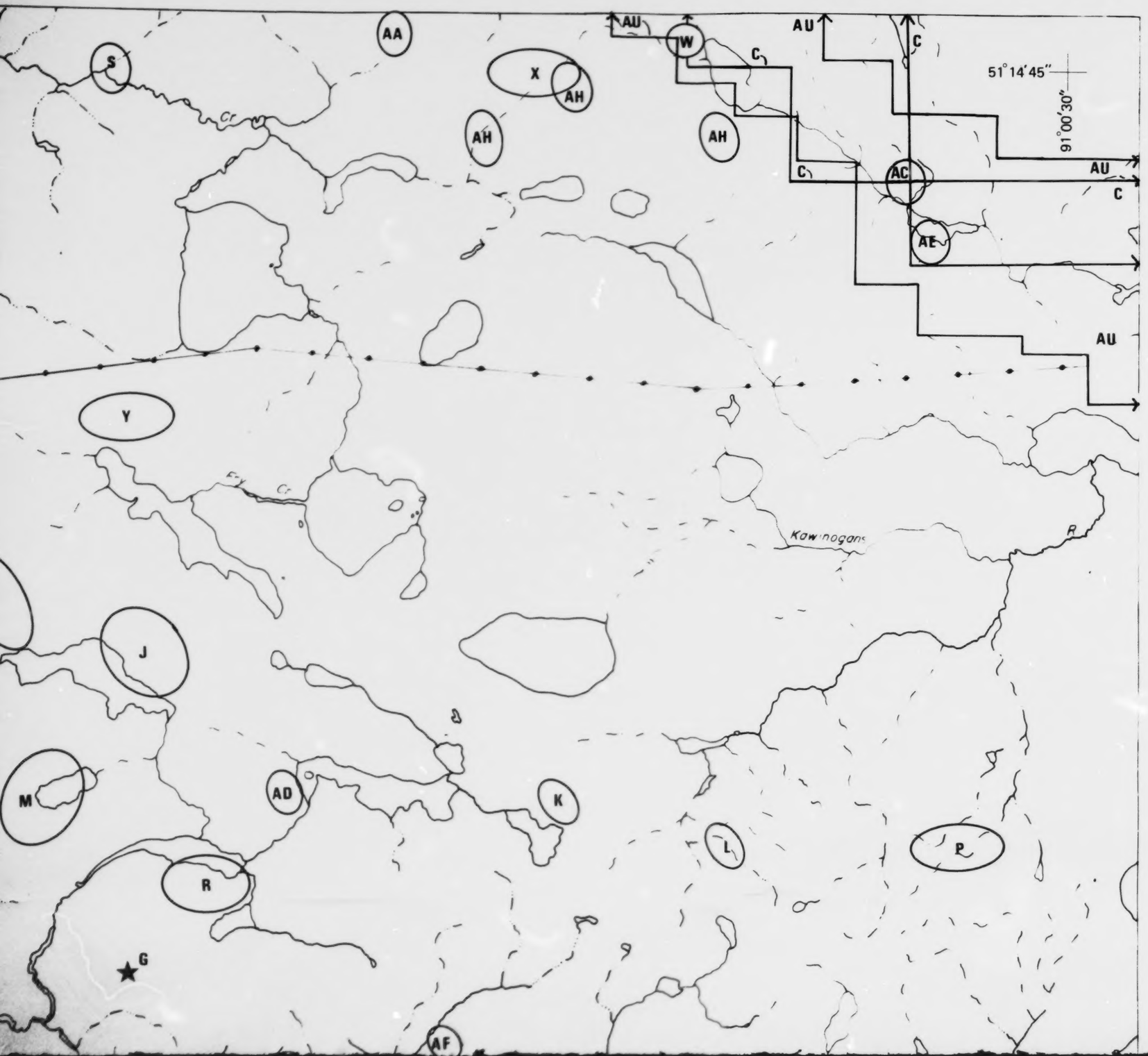
AD

K

R

G

AF



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 337

(Map 2 of 3)

DRUM LAKE AREA

DISTRICT OF KENORA

(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined.

Bamaji L.

Drum

Drum Lake

Drum

N

AG

M

AD

K

R

G

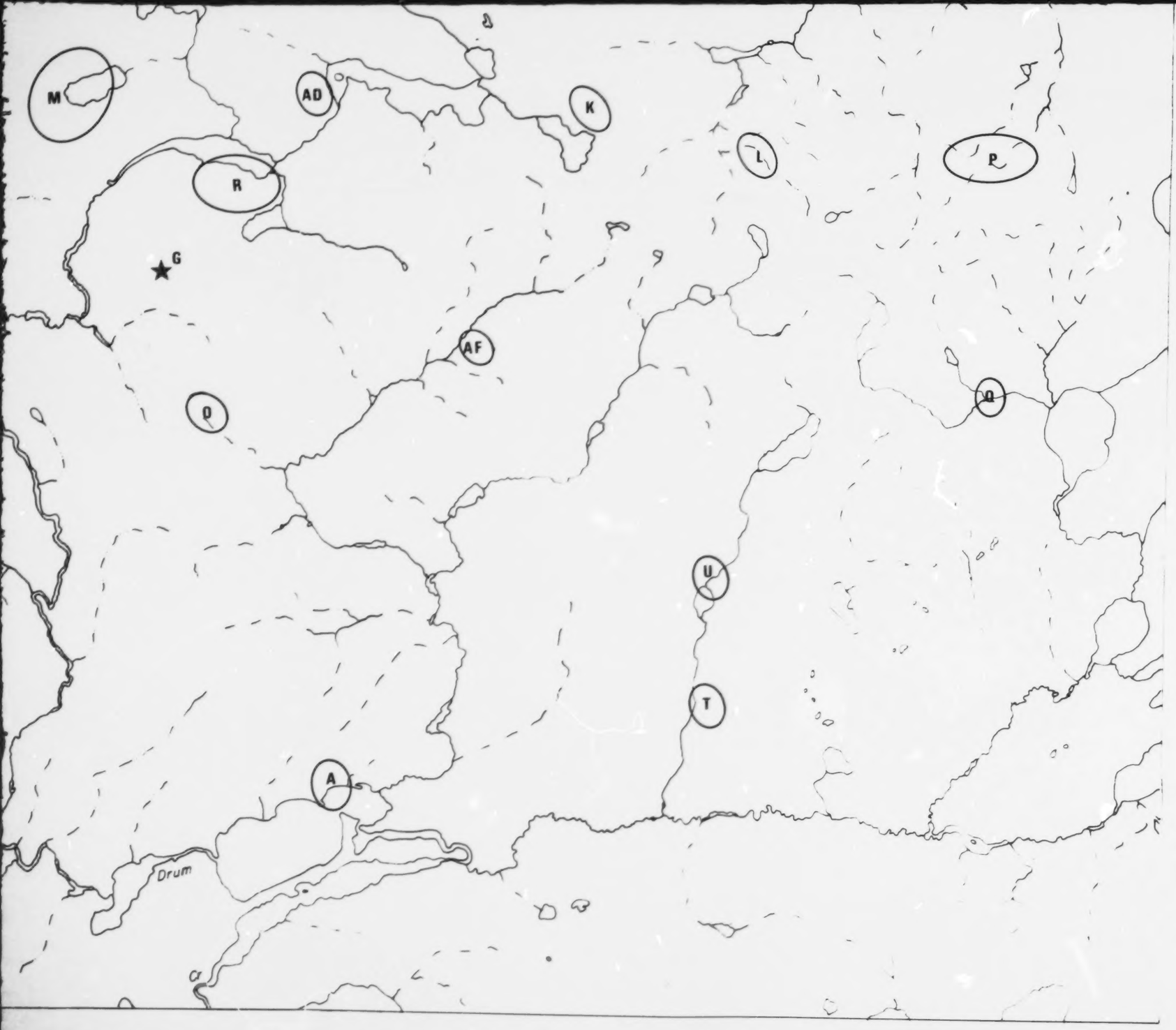
AF

D

A

91°14'00"

51°08'00"



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area exploration.

Area of explorations covers entire map area.

331

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

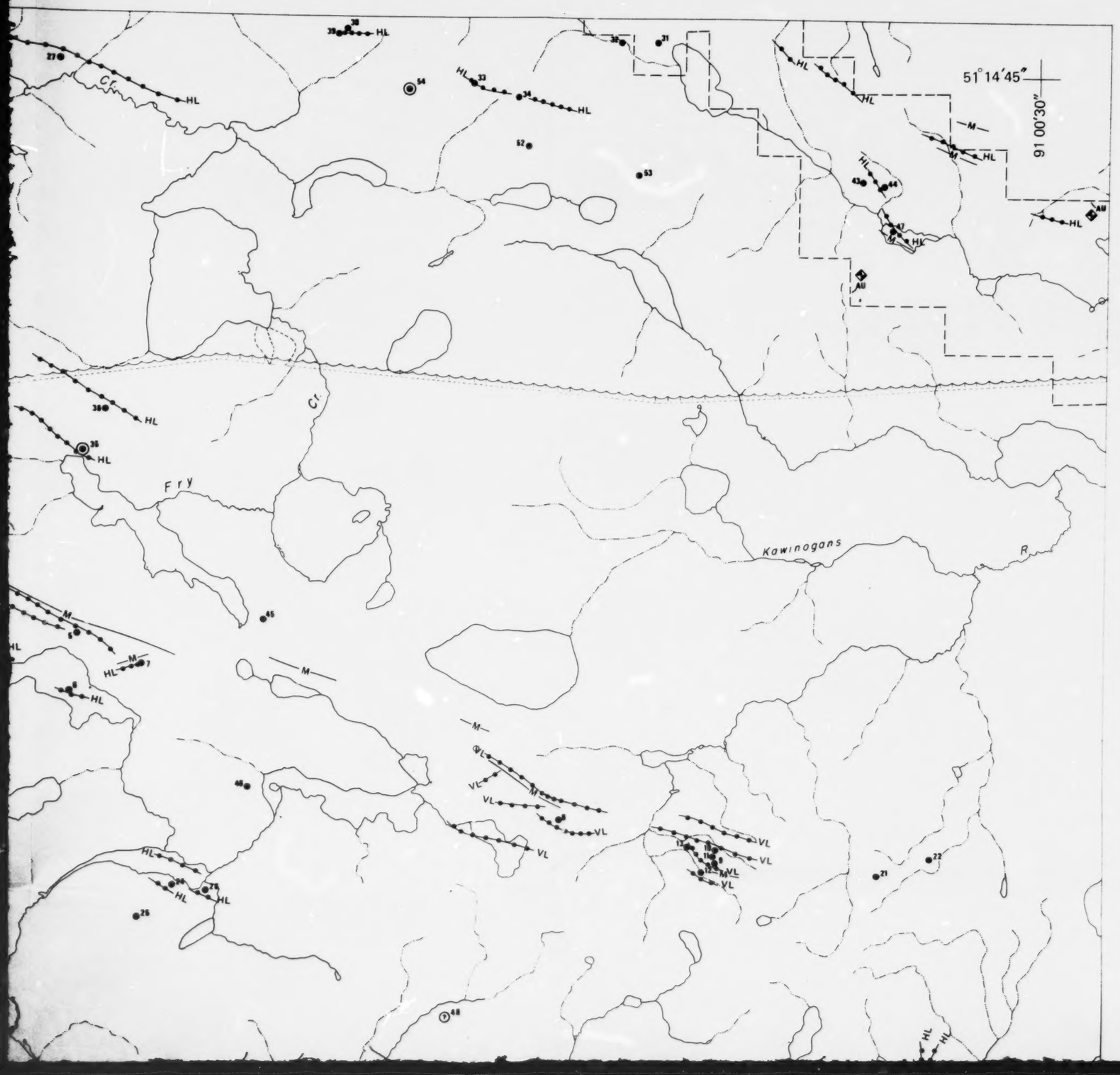
GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop;
  VLF - Very low freq; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

Fry Cr
HL
M
Fry
Cr
51°14'45"
91°00'30"
Fry
Cr
C
Zn,Cu
B
Ag
Drum
Drum
Kawinogans
R
VL



Ministry of Northern Development and Mines

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 337

(Map 3 of 3)

DRUM LAKE AREA

DISTRICT OF KENORA

(PATRICIA PORTION)

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter

DRILLHOLE

- ■ ●² — Location of single drillhole, with reference number
- ■ ◉² — Location of closely spaced group of drillholes, with reference number
- ■ (?)² — Drillhole, exact location uncertain, with reference number
- □ — Property with underground drillholes in this general area, with reference number
- □ ○² — Property with drillholes which have not been plotted on map, with reference number

☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)

☐ R — Resistivity anomaly

☐ GR — Gravity anomaly

MISCELLANEOUS DATA

☐ Trenching, pit

☐ Adit

☐ Open pit

☐ Rock quarry

☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

Drum

Drum Lake

Drum

Drum

Cr.

Cr.

AT

HL

VL

M

Ag

A

B

Ag A. Mineral occurrence reported but exact location uncertain, with reference letter

cp A. Mineralized float with reference letter

DRILLHOLE

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number

Drum

Cr.

337